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May 27, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of April 2020.

Sincerely,

Katie M Brown

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		APRIL 2020
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	80,043,148
	MWH sales:		
2	Total System Sales		4,456,486
3	Less intersystem sales		472,421
4	Total sales less intersystem sales		3,984,065
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.0091
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.4709
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		(12,056)
8	Oil		19
9	Natural Gas - Combustion Turbine		59,041
10	Natural Gas - Combined Cycle		957,732
11	Biogas		2,439
12	Total Fossil		1,007,175
13	Nuclear		2,595,140
14	Hydro - Conventional		70,713
15	Solar Distributed Generation		24,673
16	Total MWH generation		3,697,701

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		APRIL 2020
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	3,421
0501310 fuel oil consumed - steam		-
Total Steam Generation - Account 501		3,421
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		15,023,270
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		5,281,728
0547000 natural gas capacity - Combustion Turbine		1,845,323
0547000 natural gas consumed - Combined Cycle		15,130,723
0547000 natural gas capacity - Combined Cycle		11,591,501
0547106 biogas consumed - Combined Cycle		128,329
0547200 fuel oil consumed		44,848
Total Other Generation - Account 547		34,022,452
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		31,352,959
Fuel and fuel-related component of DERP purchases		40,171
PURPA purchased power capacity		5,374,198
DERP purchased power capacity		8,907
Total Purchased Power and Net Interchange - Account 555		36,776,235
Less:		
Fuel and fuel-related costs recovered through intersystem sales		5,787,187
Solar Integration Charge		8
Total Fuel Credits - Accounts 447/456		5,787,195
Total Costs Included in Base Fuel Component	$	80,038,183
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	195
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		20,268
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		6,050
Less emissions expense recovered through intersystem sales - Account 447		9,449
Total Costs Included in Environmental Component		4,964
Fuel and Fuel-related Costs excluding DERP incremental costs	$	80,043,148
DERP Incremental Costs		226,960
Total Fuel and Fuel-related Costs	$	80,270,108

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		APRIL 2020
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	4,556
Shared Solar Program		728
Total DERP Avoided Costs		5,285
DERP Incremental Costs		
Purchased Power Agreements		166
DERP NEM Incentive		99,141
Solar Rebate Program - Amortization		47,775
Solar Rebate Program - Carrying Costs		40,521
Shared Solar Program		2,293
NEM Avoided Capacity Costs		3,518
NEM Meter Costs		10,239
General and Administrative Expenses		23,294
Interest on under-collection due to cap		13
Total DERP Incremental Costs	$	226,960

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

APRIL 2020

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Dominion Energy South Carolina - Emergency	$ (2,075)	-	-	$ (1,266)	$ (809)
Broad River Energy, LLC.	1,220,025	$ 1,003,578	2,328	216,447	-
City of Fayetteville	362,492	351,000	-	11,492	-
Haywood EMC	28,550	28,550	-	-	-
NCEMC	1,789,947	1,708,347	1,945	81,600	-
PJM Interconnection, LLC.	7,566	-	800	7,566	-
Southern Company Services	2,348,924	687,324	64,464	1,661,600	-
DE Carolinas - Native Load Transfer	624,775	-	40,305	615,981	8,794
DE Carolinas - Native Load Transfer Benefit	247,279	-	-	247,279	-
Energy Imbalance	10,058	-	722	9,448	610
Generation Imbalance	2,141	-	171	1,638	503
	$ 6,639,682	**$ 3,778,799**	**110,735**	**$ 2,851,785**	**$ 9,098**
Act 236 PURPA Purchases					
Renewable Energy	$ 17,482,438	-	268,974	$ 17,482,438	-
DERP Qualifying Facilities	49,078	-	1,036	49,078	-
Other Qualifying Facilities	16,392,934	-	314,279	16,392,934	-
	$ 33,924,450	**-**	**584,289**	**$ 33,924,450**	**-**
Total Purchased Power	**$ 40,564,132**	**$ 3,778,799**	**695,024**	**$ 36,776,235**	**$ 9,098**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

APRIL 2020

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 886,363	$ 652,500	8,940	$ 120,408	$ 113,455
PJM Interconnection, LLC.	26,707	-	1,100	16,656	10,051
Other:					
DE Carolinas - Native Load Transfer Benefit	$ 1,243,044	-	-	$ 1,243,044	-
DE Carolinas - Native Load Transfer	4,749,704	-	462,381	4,422,578	$ 327,126
Total Intersystem Sales	**$ 6,905,818**	**$ 652,500**	**472,421**	**$ 5,802,686**	**$ 450,632**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
APRIL 2020

Schedule 4
Page 1 of 3

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					3,984,064,703
2	DERP Net Metered kWh generation	Input					2,671,824
3	Adjusted System kWh sales	L1 + L2					3,986,736,527
4	Actual S.C. Retail kWh sales	Input	126,293,315	15,954,626	280,414,186	6,334,049	428,996,176
5	DERP Net Metered kWh generation	Input	1,294,559	26,799	1,350,466		2,671,824
6	Adjusted S.C. Retail kWh sales	L4 + L5	127,587,874	15,981,425	281,764,652	6,334,049	431,668,000
7	Actual S.C. Demand units (kw)	L32 / 31b *100			622,110		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$61,178,344
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$85,192
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$61,263,536
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.537
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$1,960,633	$245,585	$4,329,856	$97,335	$6,633,409
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($45,407)	($4,479)	($35,906)	$0	($85,792)
14	S.C. Retail portion of incurred system expense	L12 + L13	$1,915,226	$241,106	$4,293,950	$97,335	$6,547,617
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.075	2.075	2.075	2.075	2.075
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$2,620,063	$331,058	$5,818,594	$131,432	$8,901,147
17	DERP NEM incentive - fuel component	Input	($7,663)	($756)	($6,059)	$0	($14,478)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$2,612,400	$330,302	$5,812,535	$131,432	$8,886,669
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($697,174)	($89,196)	($1,518,585)	($34,097)	($2,339,052)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($697,174)	($89,196)	($1,518,585)	($34,097)	($2,339,052)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.849	0.663			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			136		
23	Incurred S.C. base fuel - capacity expense	Input	1,072,042.00	$105,752	$847,739		$2,025,533
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.692	0.522			
24b	Billed base fuel - capacity rate (¢/kW)	Input			92		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$873,773	$83,283	$ 572,333	$0	$1,529,389
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	$198,269	$22,469	$275,406	$0	$496,144
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	$198,269	$22,469	$275,406	$0	$496,144
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.000	0.000			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			0		
30	Incurred S.C. environmental expense	Input	$283	$28	$224		$535
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.074	0.057			
31b	Billed environmental rate (¢/kW)	Input			10		
32	Billed S.C. environmental revenue	L31a * L4 /100	$94,022	$9,094	62,211		$165,327
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	($93,739)	($9,066)	($61,987)	$0	($164,792)
34	Adjustment	Input					
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($93,739)	($9,066)	($61,987)	$0	($164,792)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.002	0.002			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.356		
37	Incurred S.C. DERP avoided cost expense	Input	$2,797	$276	$2,212		$5,285
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.003	0.003			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$3,761	$479	$0		$4,240
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	($964)	($203)	$2,212	$0	$1,045
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	($964)	($203)	$2,212	$0	$1,045
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($593,608)	($75,996)	($1,302,954)	($34,097)	($2,006,655)

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
APRIL 2020

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$13,424,397					
March 2019 - actual	13,142,207	(113,956)	(15,296)	(148,555)	(4,383)	($282,190)
April 2019 - actual	12,482,712	(178,213)	(25,629)	(447,263)	(8,390)	(659,495)
May 2019 - actual	12,391,437	(39,695)	(9,623)	(40,702)	(1,255)	(91,275)
June 2019 - actual	11,820,549	(204,177)	(33,436)	(326,075)	(7,200)	(570,888)
July 2019 - actual	11,960,164	30,794	2,958	104,254	1,609	139,615
August 2019 - actual	12,138,158	50,982	6,141	118,902	1,969	177,994
September 2019 - actual	12,149,907	(5,068)	(2,111)	18,664	264	11,749
October 2019 - actual	11,737,925	(133,360)	(23,159)	(250,457)	(5,006)	(411,982)
November 2019 - actual	13,112,022	421,754	66,634	865,157	20,552	1,374,097
December 2019 - actual	12,259,051	(336,447)	(44,004)	(461,528)	(10,992)	(852,971)
January 2020 - actual	10,208,145	(755,940)	(93,126)	(1,176,828)	(25,012)	(2,050,906)
February 2020 - actual	8,184,894	(732,132)	(88,726)	(1,177,655)	(24,738)	(2,023,251)
March 2020 - actual	6,703,728	(500,048)	(60,906)	(900,533)	(19,679)	(1,481,166)
April 2020 - actual	4,364,676	(697,174)	(89,196)	(1,518,585)	(34,097)	(2,339,052)
_/5 May 2020 - forecast	3,193,263	(331,416)	(61,776)	(760,065)	(18,156)	(1,171,413)
_/5 June 2020 - forecast	$ 3,024,165	($53,326)	($8,490)	($104,793)	($2,489)	($169,098)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$574,929					
March 2019 - actual	320,452	(158,950)	9,884	(105,411)	0	($254,477)
April 2019 - actual	800,238	332,772	51,683	95,331	0	479,786
May 2019 - actual	924,824	125,236	18,384	(19,034)	0	124,586
June 2019 - actual	844,129	(99,572)	(1,971)	20,848	0	(80,695)
July 2019 - actual	1,259,813	196,610	25,312	193,762	0	415,684
August 2019 - actual	2,465,773	642,873	56,685	506,402	0	1,205,960
September 2019 - actual	2,674,275	77,548	(4,581)	135,535	0	208,502
October 2019 - actual	2,816,302	164,898	(4,727)	(18,144)	0	142,027
November 2019 - actual	3,042,516	180,886	3,234	42,094	0	226,214
December 2019 - actual	2,626,937	(315,125)	(20,869)	(79,585)	0	(415,579)
January 2020 - actual	2,407,032	(191,220)	(3,230)	(25,455)	0	(219,905)
February 2020 - actual	2,280,575	(128,799)	4,896	(2,554)	0	(126,457)
March 2020 - actual	2,080,722	(542,342)	(57,884)	400,373	0	(199,853)
April 2020 - actual	2,576,866	198,269	22,469	275,406	0	496,144
_/5 May 2020 - forecast	2,930,105	350,538	12,041	(9,340)	0	353,239
_/5 June 2020 - forecast	$ 2,907,425	$66,293	($565)	($88,408)	$0	($22,680)

Year 2019-2020

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$199,207					
March 2019 - actual	275,991	40,490	5,702	30,592	0	$76,784
April 2019 - actual	324,903	24,694	3,770	20,448	0	48,912
May 2019 - actual	427,128	57,448	6,955	37,822	0	102,225
June 2019 - actual	515,935	46,245	6,142	36,420	0	88,807
July 2019 - actual	585,999	35,423	4,025	30,616	0	70,064
August 2019 - actual	533,582	(41,088)	(5,683)	(5,646)	0	(52,417)
September 2019 - actual	496,704	(27,209)	(4,454)	(5,215)	0	(36,878)
October 2019 - actual	392,969	(54,170)	(8,236)	(41,329)	0	(103,735)
November 2019 - actual	331,861	(32,108)	(5,216)	(23,784)	0	(61,108)
December 2019 - actual	287,628	(33,088)	(2,358)	(8,787)	0	(44,233)
January 2020 - actual	105,066	(116,838)	(10,597)	(55,127)	0	(182,562)
February 2020 - actual	(86,729)	(121,869)	(10,943)	(58,983)	0	(191,795)
March 2020 - actual	(234,403)	(97,924)	(9,094)	(40,656)	0	(147,674)
April 2020 - actual	(399,195)	(93,739)	(9,066)	(61,987)	0	(164,792)
_/5 May 2020 - forecast	(531,644)	(65,502)	(9,693)	(57,254)	0	(132,449)
_/5 June 2020 - forecast	$ (604,734)	($35,263)	($4,701)	($33,126)	$0	($73,090)

Year 2019-2020

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$19,288					
March 2019 - actual	17,381	(2,803)	(12)	908	0	($1,907)
April 2019 - actual	21,608	1,112	352	2,763	0	4,227
May 2019 - actual	24,699	471	253	2,367	0	3,091
June 2019 - actual	28,250	252	306	2,993	0	3,551
July 2019 - actual	25,974	(3,344)	(290)	1,358	0	(2,276)
August 2019 - actual	21,827	(4,411)	(739)	1,003	0	(4,147)
September 2019 - actual	24,134	(329)	(311)	2,947	0	2,307
October 2019 - actual	24,317	(1,209)	(413)	1,805	0	183
November 2019 - actual	23,299	(1,750)	(409)	1,141	0	(1,018)
December 2019 - actual	18,628	(4,610)	(610)	549	0	(4,671)
January 2020 - actual	13,562	(4,856)	(607)	397	0	(5,066)
February 2020 - actual	12,639	(2,298)	(326)	1,701	0	(923)
March 2020 - actual	11,874	(2,864)	(414)	2,513	0	(765)
April 2020 - actual	12,919	(964)	(203)	2,212	0	1,045
_/5 May 2020 - forecast	19,430	4,259	157	2,095	0	6,511
_/5 June 2020 - forecast	$ 23,658	$2,612	$51	$1,565	$0	$4,228

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
APRIL 2020

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	120,122	63,435	43,403	$226,960
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.02	99.56	
46	Billed S.C. DERP incremental revenue	Input	$139,041	$65,074	$26,115	$230,230
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($18,919)	($1,639)	$17,288	($3,270)
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	($18,919)	($1,639)	$17,288	($3,270)

Year 2019-2020 Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2019	$6,239	
March 2019 - actual	107,362	$101,123
April 2019 - actual	(62,019)	(169,381)
May 2019 - actual	13,138	75,157
June 2019 - actual	48,966	35,828
July 2019 - actual	95,723	46,757
August 2019 - actual	82,651	(13,072)
September 2019 - actual	85,703	3,052
October 2019 - actual	73,484	(12,219)
November 2019 - actual	65,969	(7,515)
December 2019 - actual	60,038	(5,931)
January 2020 - actual	55,571	(4,467)
February 2020 - actual	45,019	(10,552)
March 2020 - actual	22,697	(22,322)
April 2020 - actual	19,427	(3,270)
_/5 May 2020 - forecast	63,546	44,119
_/5 June 2020 - forecast	$111,920	$48,374

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of 2.090 and RECD 5% discount.
_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .697 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/19 approved residential rate of .075 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .003 and RECD 5% discount.
_/5 Forecast amounts based on low end of range of expected fuel rates.

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$12,152,290	$23,996,907	-	-	-	-	-
Oil	10,021	200	$1,414	-	-	-	-
Gas - CC	-	-	6,335,661	$3,290,723	$5,139,776	$11,956,064	-
Gas - CT	-	-	720,599	6,153,782	148,710	-	-
Biogas	-	-	-	444,181	-	-	-
Total	$12,162,311	$23,997,107	$7,057,674	$9,444,505	$5,288,486	$11,956,064	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	412.44	1,048.25	-	-	-	-	-
Oil	970.09	-	-	-	-	-	-
Gas - CC	-	-	469.69	373.63	776.43	386.20	-
Gas - CT	-	-	368.28	338.93	4,986.92	-	-
Biogas	-	-	-	3,226.18	-	-	-
Weighted Average	412.64	1,048.25	456.85	366.29	795.31	386.20	-
Cost of Fuel Burned ($)							
Coal	-	$3,421	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	$1,285	-	-	-	-
Gas - CC	-	-	6,335,661	$3,290,723	$5,139,776	$11,956,064	-
Gas - CT	-	-	720,599	6,153,782	148,710	-	-
Biogas	-	-	-	444,181	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	$3,421	$7,057,545	$9,888,686	$5,288,486	$11,956,064	-
Average Cost of Fuel Burned (¢/MBTU)							
Coal	-	-	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	1,529.76	-	-	-	-
Gas - CC	-	-	469.69	373.63	776.43	386.20	-
Gas - CT	-	-	368.28	338.93	4,986.92	-	-
Biogas	-	-	-	3,226.18	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	-	456.90	364.88	795.31	386.20	-
Average Cost of Generation (¢/kWh)							
Coal	-	-	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	16.16	-	-	-	-
Gas - CC	-	-	4.12	1.08	5.48	2.95	-
Gas - CT	-	-	3.89	16.64	48.28	-	-
Biogas	-	-	-	18.21	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	-	4.10	2.87	5.62	2.95	-
Burned MBTU's							
Coal	-	-	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	84	-	-	-	-
Gas - CC	-	-	1,348,894	880,742	661,975	3,095,827	-
Gas - CT	-	-	195,664	1,815,636	2,982	-	-
Biogas	-	-	-	13,768	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	-	1,544,642	2,710,146	664,957	3,095,827	-
Net Generation (mWh)							
Coal	(7,185)	(4,871)	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	8	-	-	-	(87)
Gas - CC	-	-	153,666	305,068	93,764	405,234	-
Gas - CT	-	-	18,532	36,971	308	-	-
Biogas	-	-	-	2,439	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)							
Solar (Total System)							
Total	(7,185)	(4,871)	172,206	344,478	94,072	405,234	(87)
Cost of Reagents Consumed ($)							
Ammonia	-	$17,220	-	$3,049	-	-	-
Limestone	-	-	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	-	$17,220	-	$3,049	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Asheville Steam was retired effective January 29, 2020.

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME APRIL 2020
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$36,149,197	$333,290,668
Oil	-	-	-	-	($3,771)	-	7,864	12,041,001
Gas - CC	-	-	-	-	-	-	26,722,224	517,912,220
Gas - CT	$7	$103,929	$24	-	-	-	7,127,051	89,683,346
Biogas	-	-	-	-	-	-	444,181	2,745,221
Total	$7	$103,929	$24	-	($3,771)	-	$70,450,517	$955,672,456
Average Cost of Fuel Purchased (¢/MBTU								
Coal	-	-	-	-	-	-	690.44	352.87
Oil	-	-	-	-	-	-	761.28	1,481.22
Gas - CC	-	-	-	-	-	-	446.30	377.85
Gas - CT	-	316.42	-	-	-	-	348.15	356.56
Biogas	-	-	-	-	-	-	3,226.18	2,873.19
Weighted Average	-	316.42	-	-	-	-	530.72	371.08
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$3,421	$297,730,249
Oil - CC	-	-	-	-	-	-	-	525,645
Oil - Steam/CT	-	$19,409	$24,154	-	-	-	44,848	9,689,823
Gas - CC	-	-	-	-	-	-	26,722,224	517,912,220
Gas - CT	$7	103,929	24	-	-	-	7,127,051	89,683,346
Biogas	-	-	-	-	-	-	444,181	2,745,221
Nuclear	-	-	-	$7,743,498	$4,083,839	$3,195,933	15,023,270	178,936,650
Total	$7	$123,338	$24,178	$7,743,498	$4,083,839	$3,195,933	$49,364,995	$1,097,223,155
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	-	341.36
Oil - CC	-	-	-	-	-	-	-	1,568.39
Oil - Steam/CT	-	1,743.85	1,590.13	-	-	-	1,651.25	1,426.67
Gas - CC	-	-	-	-	-	-	446.30	377.85
Gas - CT	-	316.42	-	-	-	-	348.15	356.56
Biogas	-	-	-	-	-	-	3,226.18	2,873.19
Nuclear	-	-	-	56.38	56.40	55.67	56.24	58.07
Weighted Average	-	363.21	1,591.71	56.38	56.40	55.67	141.99	196.49
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	-	3.71
Oil - CC	-	-	-	-	-	-	-	15.77
Oil - Steam/CT	-	21.82	268.38	-	-	-	237.03	18.24
Gas - CC	-	-	-	-	-	-	2.79	2.70
Gas - CT	-	3.02	-	-	-	-	12.07	4.33
Biogas	-	-	-	-	-	-	18.21	19.57
Nuclear	-	-	-	0.59	0.57	0.57	0.58	0.60
Weighted Average	-	3.50	268.64	0.59	0.57	0.57	1.34	1.83
Burned MBTU's								
Coal	-	-	-	-	-	-	-	87,219,515
Oil - CC	-	-	-	-	-	-	-	33,515
Oil - Steam/CT	-	1,113	1,519	-	-	-	2,716	679,193
Gas - CC	-	-	-	-	-	-	5,987,438	137,069,463
Gas - CT	-	32,845	-	-	-	-	2,047,127	25,152,727
Biogas	-	-	-	-	-	-	13,768	95,546
Nuclear	-	-	-	13,733,336	7,240,742	5,740,614	26,714,692	308,156,094
Total	-	33,958	1,519	13,733,336	7,240,742	5,740,614	34,765,741	558,406,053
Net Generation (mWh)								
Coal	-	-	-	-	-	-	(12,056)	8,019,567
Oil - CC	-	-	-	-	-	-	-	3,334
Oil - Steam/CT	-	89	9	-	-	-	19	53,115
Gas - CC	-	-	-	-	-	-	957,732	19,153,474
Gas - CT	(208)	3,438	-	-	-	-	59,041	2,072,749
Biogas	-	-	-	-	-	-	2,439	14,027
Nuclear	-	-	-	1,314,288	716,207	564,645	2,595,140	29,589,632
Hydro (Total System)							70,713	654,804
Solar (Total System)							24,673	258,808
Total	(208)	3,527	9	1,314,288	716,207	564,645	3,697,701	59,819,510
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	20,269	$1,902,125
Limestone	-	-	-	-	-	-	-	9,363,300
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	-	2,859,169
Urea	-	-	-	-	-	-	-	567,922
Total	-	-	-	-	-	-	$20,269	$14,692,514

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
APRIL 2020

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	574,319	1,182,125	-	-	-	-	-
Tons received during period	115,275	90,298	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	-	-	-	-	-	-	-
Ending balance	689,594	1,272,423	-	-	-	-	-
MBTUs per ton burned	-	--	-	-	-	-	-
Cost of ending inventory ($/ton)	87.74	100.34	-	-	-	-	-
Oil Data:							
Beginning balance	300,865	386,795	4,566,920	8,007,162	2,608,517	-	756,285
Gallons received during period	7,486	-	-	-	-	-	-
Miscellaneous use and adjustments	(6,384)	-	-	-	-	-	-
Gallons burned during period	-	-	614	-	-	-	-
Ending balance	301,967	386,795	4,566,306	8,007,162	2,608,517	-	756,285
Cost of ending inventory ($/gal)	1.94	2.00	2.09	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	1,495,166	2,608,763	642,277	2,994,437	-
MCF burned during period	-	-	1,495,166	2,608,763	642,277	2,994,437	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	13,318	-	-	-
MCF burned during period	-	-	-	13,318	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	11,466	119,187	5,402	-	-	-	-
Tons received during period	2,436	(2,436)	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	-	-	-	-	-	-	-
Ending balance	13,902	116,751	5,402	-	-	-	-
Cost of ending inventory ($/ton)	55.92	40.00	67.63	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.
Asheville Steam was retired effective January 29, 2020.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
APRIL 2020

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME April 2020
Coal Data:								
Beginning balance	-	-	-	-	-	-	1,756,444	1,674,250
Tons received during period	-	-	-	-	-	-	205,573	3,745,153
Inventory adjustments	-	-	-	-	-	-	-	63,924
Tons burned during period	-	-	-	-	-	-	-	3,482,150
Ending balance	-	-	-	-	-	-	1,962,017	1,962,017
MBTUs per ton burned	-	-	-	-	-	-	--	25.05
Cost of ending inventory ($/ton)	-	-	-	-	-	-	95.85	95.85
Oil Data:								
Beginning balance	10,082,557	11,323,612	593,358	157,868	297,030	78,040	39,159,009	38,331,298
Gallons received during period	-	-	-	-	-	-	7,486	5,890,660
Miscellaneous use and adjustments	-	-	-	-	-	-	(6,384)	(165,563)
Gallons burned during period	-	8,085	10,849	3,905	32,567	-	56,020	4,952,303
Ending balance	10,082,557	11,315,527	582,509	153,963	264,463	78,040	39,104,091	39,104,091
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.31	2.31	2.31	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	31,771	-	-	-	-	7,772,414	157,059,374
MCF burned during period	-	31,771	-	-	-	-	7,772,414	157,059,374
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	13,318	92,449
MCF burned during period	-	-	-	-	-	-	13,318	92,449
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	136,055	110,423
Tons received during period	-	-	-	-	-	-	-	222,773
Inventory adjustments	-	-	-	-	-	-	-	12,499
Tons consumed during period	-	-	-	-	-	-	-	209,640
Ending balance	-	-	-	-	-	-	136,055	136,055
Cost of ending inventory ($/ton)	-	-	-	-	-	-	42.72	42.72

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

APRIL 2020

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	-	(10,496)	-
	CONTRACT	115,275	7,525,698	65.28
	FIXED TRANSPORTATION/ADJUSTMENTS	-	2,134,953	-
	TOTAL	115,275	9,650,155	83.71
ROXBORO	SPOT	-	(19,327)	-
	CONTRACT	90,298	6,132,584	67.91
	FIXED TRANSPORTATION/ADJUSTMENTS	-	7,875,111	-
	TOTAL	90,298	13,988,368	154.91
ALL PLANTS	SPOT	-	(29,823)	-
	CONTRACT	205,573	13,658,282	66.44
	FIXED TRANSPORTATION/ADJUSTMENTS	-	10,010,064	-
	TOTAL	205,573	$ 23,638,523	$ 114.99

Notes: Fixed Transportation/Adjustments excludes a total of $12,510,674 related to coal contract buyout payments for Mayo - $2,502,135 and Roxboro - $10,008,539.

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

APRIL 2020

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	6.51	8.63	12,780	2.12
ROXBORO	6.65	9.11	12,676	1.46

Schedule 9

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

APRIL 2020

		MAYO
VENDOR		Greensboro Tank Farm
SPOT/CONTRACT		Contract
SULFUR CONTENT %		0
GALLONS RECEIVED		7,486
TOTAL DELIVERED COST	$	10,021
DELIVERED COST/GALLON	$	1.34
BTU/GALLON		138,000

Notes: Sampling charges of $1,414 for the Asheville station, a price adjustment of ($3,771) at the Harris station and miscellaneous adjustments of $200 at the Roxboro station are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2019 - April, 2020
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	**7,458,099**	**938**	**90.52**	**90.53**
Brunswick 2	**8,157,581**	**932**	**99.64**	**99.68**
Harris 1	**7,585,613**	**964**	**89.58**	**88.78**
Robinson 2	**6,388,339**	**747**	**97.37**	**93.36**

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2019 through April, 2020
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,291,586	225	65.35	79.87
Lee Energy Complex	1B	1,280,682	227	64.23	79.42
Lee Energy Complex	1C	1,268,414	228	63.33	77.56
Lee Energy Complex	ST1	2,490,843	379	74.82	85.73
Lee Energy Complex	Block Total	6,331,525	1,059	68.06	81.38
Richmond County CC	7	1,126,241	194	66.09	82.93
Richmond County CC	8	1,095,865	194	64.31	81.77
Richmond County CC	ST4	1,277,096	182	79.88	90.17
Richmond County CC	9	1,208,577	216	63.70	74.55
Richmond County CC	10	1,223,222	216	64.47	73.78
Richmond County CC	ST5	1,633,335	248	74.98	80.71
Richmond County CC	Block Total	7,564,336	1,250	68.89	80.34
Sutton Energy Complex	1A	1,330,415	224	67.62	80.29
Sutton Energy Complex	1B	1,315,335	224	66.85	77.51
Sutton Energy Complex	ST1	1,633,062	271	68.60	86.22
Sutton Energy Complex	Block Total	4,278,812	719	67.75	81.66
Asheville CC	ACC CT5	482,239	184	39.93	90.41
Asheville CC	ACC CT7	306,531	187	28.18	96.83
Asheville CC	ACC ST6	188,646	93	39.67	86.06
Asheville CC	Block Total	977,416	463	35.27	92.09

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2019 through April, 2020

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,308,375	746	19.97	77.17
Roxboro 2	1,340,042	673	22.67	66.41
Roxboro 3	2,339,483	698	38.16	82.74
Roxboro 4	1,832,703	711	29.34	70.39

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2019 through April, 2020
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	460,237	192	27.29	72.70
Asheville	2	223,847	192	13.27	70.58
Roxboro	1	555,874	380	16.65	55.98

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2019 through April, 2020
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	377,375	362	90.01
Blewett CT	-736	68	97.08
Darlington CT	11,181	769	90.71
Richmond County CT	1,402,096	934	90.17
Sutton Fast Start CT	175,861	98	91.81
Wayne County CT	119,268	963	94.72
Weatherspoon CT	-176	164	80.13

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
May, 2019 through April, 2020
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	-421	27.0	0.00
Marshall	-273	4.0	5.25
Tillery	205,923	84.0	84.93
Walters	449,574	113.0	67.61

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2019 through April, 2020
Pre-commercial Combined Cycle Units

Note: The Power Plant Performance Data reports are limited to capturing data beginning the first full month a station is in commercial operation. During the months specified below, Asheville CC produced pre-commercial generation.

Production Month	Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
November 2019	Asheville	ST8	97	n/a	n/a	n/a
December 2019	Asheville	ST8	-	n/a	n/a	n/a
January 2020	Asheville	ST8	-	n/a	n/a	n/a
February 2020	Asheville	ST8	-	n/a	n/a	n/a
March 2020	Asheville	ST8	(487)	n/a	n/a	n/a
April 2020	Asheville	ST8	19,137	n/a	n/a	n/a

Notes:

Asheville CT5 and ST6 were placed in service during December 2019, and Asheville CT7 was placed in service during January 2020; pre-commercial generation for those units is presented on the Twelve Month Summary for Combined Cycle Units.